EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S6	12	(S1 or S2 or S3) and (S4 or S5)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/17 13:21
S9	1	S8 and S4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/17 12:58
S19	11	S6 and (turning)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/17 13:30
S20	2	(US-6804575-$ or US-6907312-$).did.	USPAT	OR	ON	2006/01/20 15:27
S21	2	(US-6804575-$ or US-6907312-$).did.	USPAT	OR	ON	2006/01/20 15:27
S22	2	S20 and (gene genetic$5 or evolution$3 or evolv$4 or chromosome or generation or population)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/20 15:34
S25	2	706/13.ccls. and numerical adj control	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/20 15:34
S37	1	"5493502".pn. and (depth or cut)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/23 16:41
S44	4	S42 and (NC or CNC or mill$3 or drill$3 or turn$3 or cut$4) and (cut$4 with speed) and (feed$1rate or feedrate or (feed adj rate))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/23 15:53
S46	17	S42 and (NC or CNC or (numerical adj control)) and (mill$3 or drill$3 or turn$3 or cut$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/24 15:43

S47	4	"5493502".pn. or "5598512".pn. or "5532932".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/01/24 09:59
S51	3	S50 and input	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/01/24 13:55
S53	1	S52 and workpiece	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/01/24 13:56
S55	1	S53 and S54	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/01/24 14:24
S56	2	S52 and (condition or characteristic or tool or machining or workpiece)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/01/24 14:55
S57	1	S52 and ((face near3 mill$3) or (end near3 mill$3) or turn$3 or drill$3 or cut$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/01/24 14:56
S65	1	S63 and S64	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/01/24 15:40
S71	1	S52 and (neural or ANN or NN)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/01/24 17:49
S73	41	S72 and S66	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/01/25 11:10

S76	12	S75 not S73	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/01/24 18:03
S78	1	S77 and (input or multilayer or MLP or output or feed or speed)	US-PGPUB	OR	ON	2006/01/25 10:17
S81	1	(US-5473532-$).did.	USPAT	OR	ON	2006/01/25 11:10
S102	46	S101 and (@pd<"20021118" @ad<"20021118")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/09/13 10:15
S103	30	(US-20040179915-$ or US-20030187624-$ or US-20010051476-$ or US-20010044661-$).did. or (US-5768137-$ or US-6101444-$ or US-6078911-$ or US-5659479-$ or US-5517420-$ or US-6804575-$ or US-6438445-$ or US-6415191-$ or US-5917726-$ or US-5598512-$ or US-5532932-$ or US-5493502-$ or US-5377116-$ or US-5473532-$ or US-6907312-$ or US-6668201-$ or US-5995737-$ or US-6561992-$ or US-5727130-$ or US-6895286-$ or US-6735576-$ or US-6853991-$ or US-5774630-$ or US-6012015-$ or US-6496761-$ or US-6349293-$).did.	US-PGPUB; USPAT	OR	ON	2006/09/13 12:37
S104	6	S103 and (inference with neur$4)	US-PGPUB; USPAT	OR	ON	2006/09/13 12:37
S105	1	(US-5768137-$).did.	USPAT	OR	ON	2006/09/13 13:55
S106	1	S105 and C	USPAT	OR	ON	2006/09/13 13:55
S109	2	S108 and feedback	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/09/13 14:30
S110	3	S108 and cutting	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/09/13 14:31
S111	3	S108 and cutting and speed	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/09/13 14:31

S11 2	107	S128 same S129	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/05/04 13:18
S11 3	0	S140 and S112	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/05/04 13:19
S11 4	45	S143 and S112	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/05/04 13:21
S11 5	0	S127 same S131 same S126	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/05/04 13:31
S11 6	2	S127 and S131 and S126	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/05/04 13:31
S11 7	100	(S127 same (S131 S126)) (S131 same (S127 S126)) (S126 same (S127 S131))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/05/04 13:31
S11 8	2	S117 and S130	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/05/04 13:34
S11 9	0	S140 and (S115 S116 S118)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/05/04 13:34

EAST Search History

S12 0	3	S115 S116 S118	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/05/04 13:34
S12 1	0	S143 and (S115 S116 S118)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/05/04 13:34
S12 2	1	S132 and (S115 S116 S118)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/05/04 13:35
S12 3	5	S124 S116 S118 S120 S122 S125	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/05/04 13:37
S12 4	2	S140 and S132	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/05/04 13:21
S12 5	1	S137 and S132	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/05/04 13:35
S12 6	304	input with ((deep depth) near4 cut$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/05/04 13:43
S12 7	942	input with (material work$1piece) with hard$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/05/04 13:15

S12 8	1250	$2fuzzifi$7	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/05/04 13:15
S12 9	142775	neur$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/05/04 13:15
S13 0	5428	output with (cut$4 with speed)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/05/04 13:15
S13 1	5948	input with (material work$1piece) with (type kind sort)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/05/04 13:16
S13 2	5364	neur$4 same $2fuzz$9	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/05/04 13:20
S13 3	442	output with ((deep depth) near4 cut$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/05/04 13:44
S13 4	88	S127 same S131	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/05/04 13:43
S13 5	5695	output with ((feed$4 near3 rate) feed$1rate)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/05/04 13:44

S13 6	6108	S133 S135	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/05/04 13:44
S13 7	143	S136 same S130	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/05/04 13:45
S13 8	0	S134 and S137	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/05/04 13:45
S13 9	9	(S134 S137) and S143	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/05/04 13:45
S14 0	324	700/159.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/05/04 13:18
S14 1	3553	700/90,95,117,159,186,188.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/05/04 13:09
S14 2	5146	706/1-2,4,8,15-16,25,45-56,52,59-61,900, 902-904,906-907.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/05/04 13:12
S14 3	8677	S141 S142	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/05/04 13:13

EAST Search History

S14 4	35523	(numeric$2 near2 control) CNC	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/05/04 15:22
S14 5	769	neur$4 with inferenc$5	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/05/04 15:15
S14 6	30	(US-20040098147-$ or US-20010001149-$).did. or (US-5761387-$ or US-5566092-$ or US-5701400-$ or US-5633986-$ or US-5657427-$ or US-5991709-$ or US-5361326-$ or US-5841949-$ or US-5473532-$ or US-5493502-$ or US-5532932-$ or US-5598512-$ or US-5524176-$ or US-5839438-$ or US-6192352-$ or US-6567795-$ or US-5251144-$ or US-5687290-$ or US-5724483-$ or US-5790755-$ or US-5799132-$ or US-5890142-$ or US-5701394-$ or US-6424956-$ or US-5479533-$ or US-6466929-$).did. or (US-6561992-$ or US-7206772-$).did.	US-PGPUB; USPAT	OR	ON	2007/05/04 15:15
S14 7	2	S146 and S145 and S144	US-PGPUB; USPAT	OR	ON	2007/05/04 15:16
S14 8	2	S147 and (neur$4 inferenc$5)	US-PGPUB; USPAT	OR	ON	2007/05/04 15:16
S14 9	2	S144 same S145	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/05/04 15:23
S15 0	11	S144 and S145	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/05/04 15:23

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Google (20-January-2006):
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genetic and CNC

genetic and "numeric control"

(genetic algorithm) AND "numeric control" AND machinability

(genetic algorithm) AND "numeric control" AND "machinability"


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Google Scholar (20-January-2006):
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genetic CNC machinability


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Google (23-January-2006):
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"workpieces by genetic algorithms"

genetic workpiece

initial workpiece (population OR generation)

initial workpiece (population OR generation) genetic


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Google Scholar    5/4/2007   (-2002)
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+~depth +~cut +~cutting +~speed +~material +~type +~hardness +~workpiece +~neural
+~network +(~fuzzification | ~defuzzification) +~feed +~rate

+~depth +~cut +~cutting +~speed +~material +~type +~hardness +~workpiece +~neural
+~network

(Hamouda | Voon) +~depth +~cut +~cutting +~speed +~material +~type +~hardness
+~workpiece +~neural +~network

+~feed +~rate +~neural author:"V Wong" OR author:"W Voon" OR author:"A Hamouda" OR
author:"H Abdel"

+~feed +~rate author:"V Wong" OR author:"W Voon" OR author:"A Hamouda" OR author:"H
Abdel"

+~inference +"multilayer neural network" summation product neurons  +~machining
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